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Notice of Allowability	Application No.	Applicant(s)	
	10/050,185	POTTEBAUM ET AL.	
	Examiner	Art Unit	
	Sin J. Lee	1752	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09-08-04.
2. ☒ The allowed claim(s) is/are 3-9.
3. ☒ The drawings filed on 18 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

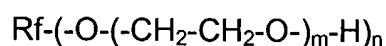
Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11292004</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. Applicants canceled claims 1 and 2.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Ms. Barbara C. Siegell (attorney for applicants) on November 29, 2004.
4. The application has been amended as follows:

In Claim 3, lines 2-3, replace "a fluorinated monomer or polymer having at least two hydroxyl groups per molecule;" with --- an ethoxylated fluoropolymer having the following formula:



wherein Rf is a fluorinated moiety having a F/H ratio of at least 3:1, m = 1-10, and n = 2-6; ---.

In Claim 3, line 9, change "(meth)acrylate;" to --- (meth)acrylate. ---.

In Claim 3, delete last five lines ("wherein said at least one . . . , m = 1-10, and n=2-6.").

In Claim 6, line 2, replace "fluorinated hydroxy-containing monomer or polymer" with --- said ethoxylated fluoropolymer ---.

Cancel Claims 10-22.

5. The following is an examiner's statement of reasons for allowance: Xu et al (6,555,288 B1) does not teach or suggest present fluorinated (meth)acrylate prepared from the ethoxylated fluoropolymer of the formula $Rf-(O-(CH_2-CH_2-O-))_m-H)_n$ wherein Rf is a fluorinated moiety having a F/H ratio of at least 3:1, $m = 1-10$, and $n = 2-6$. *For example*, Xu's photopolymerizable monomer $CH=CH_2CO_2CH_2CF_2O-(CF_2CF_2O)_2-CF_2CH_2O_2CCH=CH_2$ (made in his Example L) could not have been made from the ethoxylated compound because the monomer does not have the $(-CH_2-CH_2-O-)$ moiety in the molecule. Present fluorinated (meth)acrylate prepared from $Rf-(O-(CH_2-CH_2-O-))_m-H)_n$ has to have the ethoxylated $(-CH_2-CH_2-O-)$ moiety in the molecule. Although Xu teaches an ethoxylated hexafluorobisphenol A diacrylate (col.16, line 35), for this monomer, the present Rf $(-C_6H_4-C(CF_3)_2-C_6H_4-)$ moiety would not have the presently required F/H ratio of at least 3:1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sin J. Lee whose telephone number is 571-272-1333. The examiner can normally be reached on Monday-Friday from 9:00 am EST to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. J. Lee

S. Lee
November 29, 2004

Sin J. Lee
Sin J. Lee
Patent Examiner
Technology Center 1700